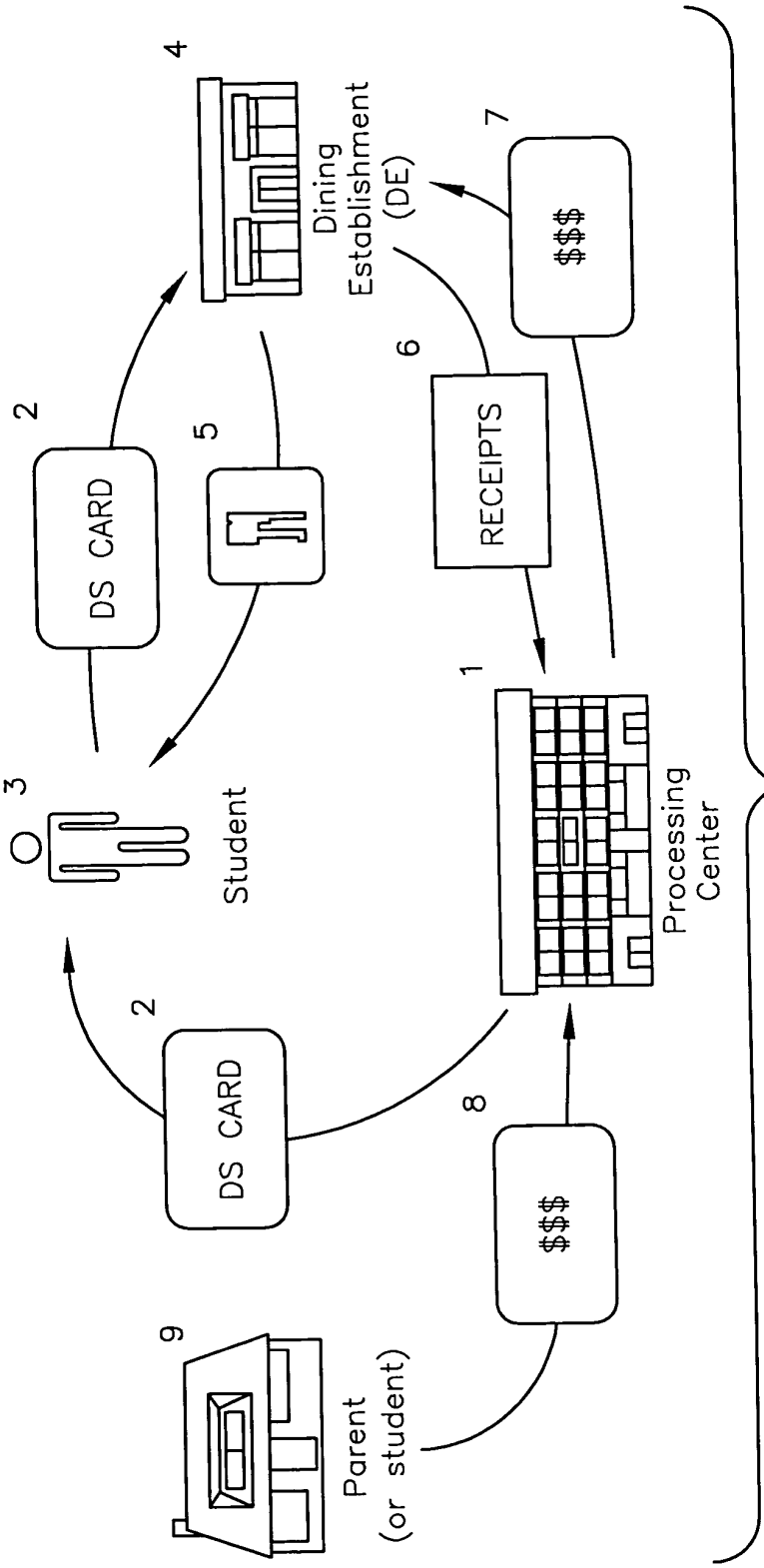
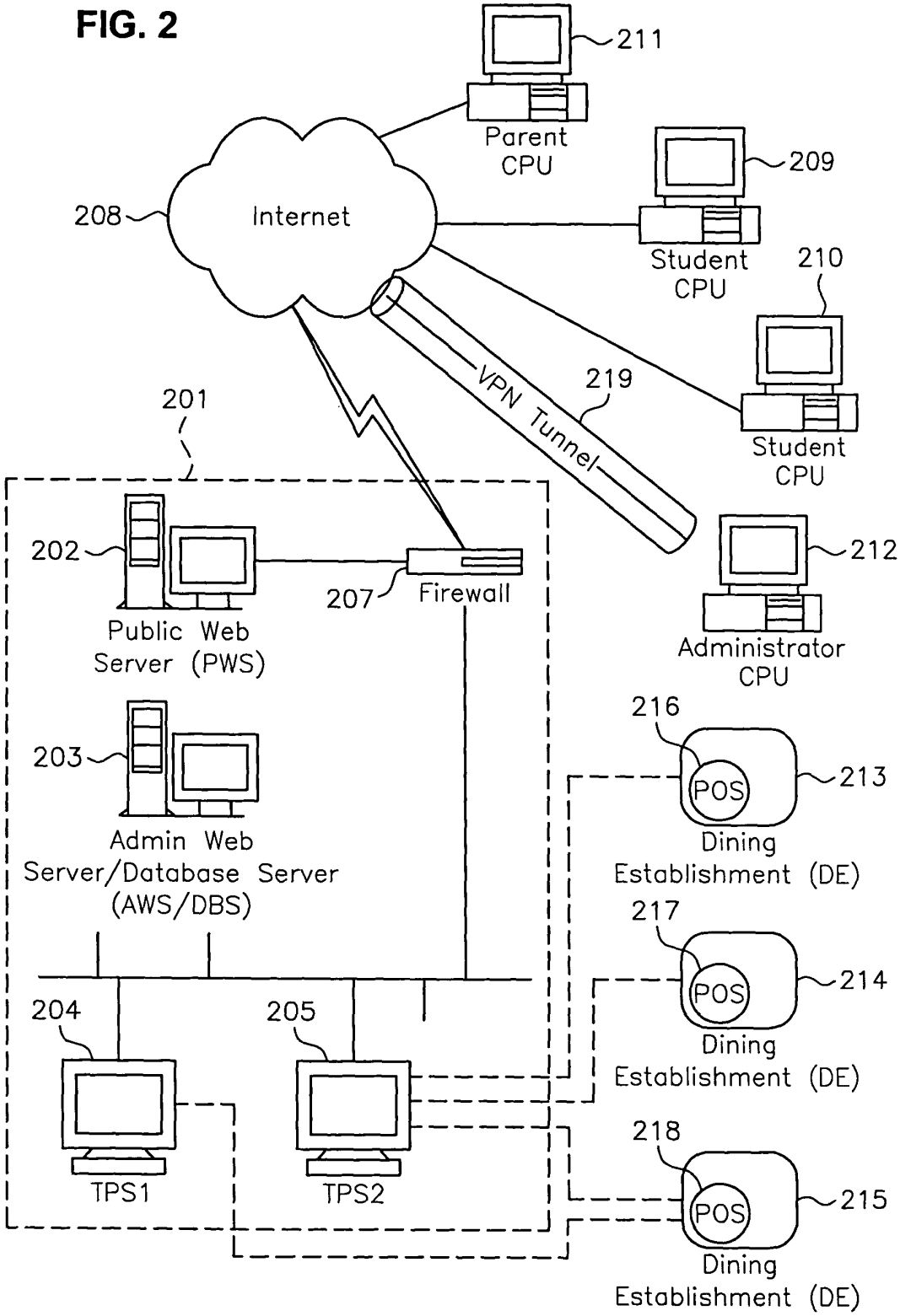

4
Dining
Establishment
(DE)
7
2
DS CARD
5
6
RECEIPTS
3
Student
1
Processing
Center
Dining System
2
DS CARD
8
9
Parent
(or student)

FIG. 1

FIG. 2


211
Parent CPU
209
208
Internet
Student CPU
210
VPN Tunnel
219
201
Student CPU
202
207
Firewall
212
Public Web Server (PWS)
Administrator CPU
216
203
POS
213
Admin Web Server/Database Server (AWS/DBS)
Dining Establishment (DE)
217
214
204
205
POS
Dining Establishment (DE)
218
TPS1
TPS2
POS
215
Dining Establishment (DE)

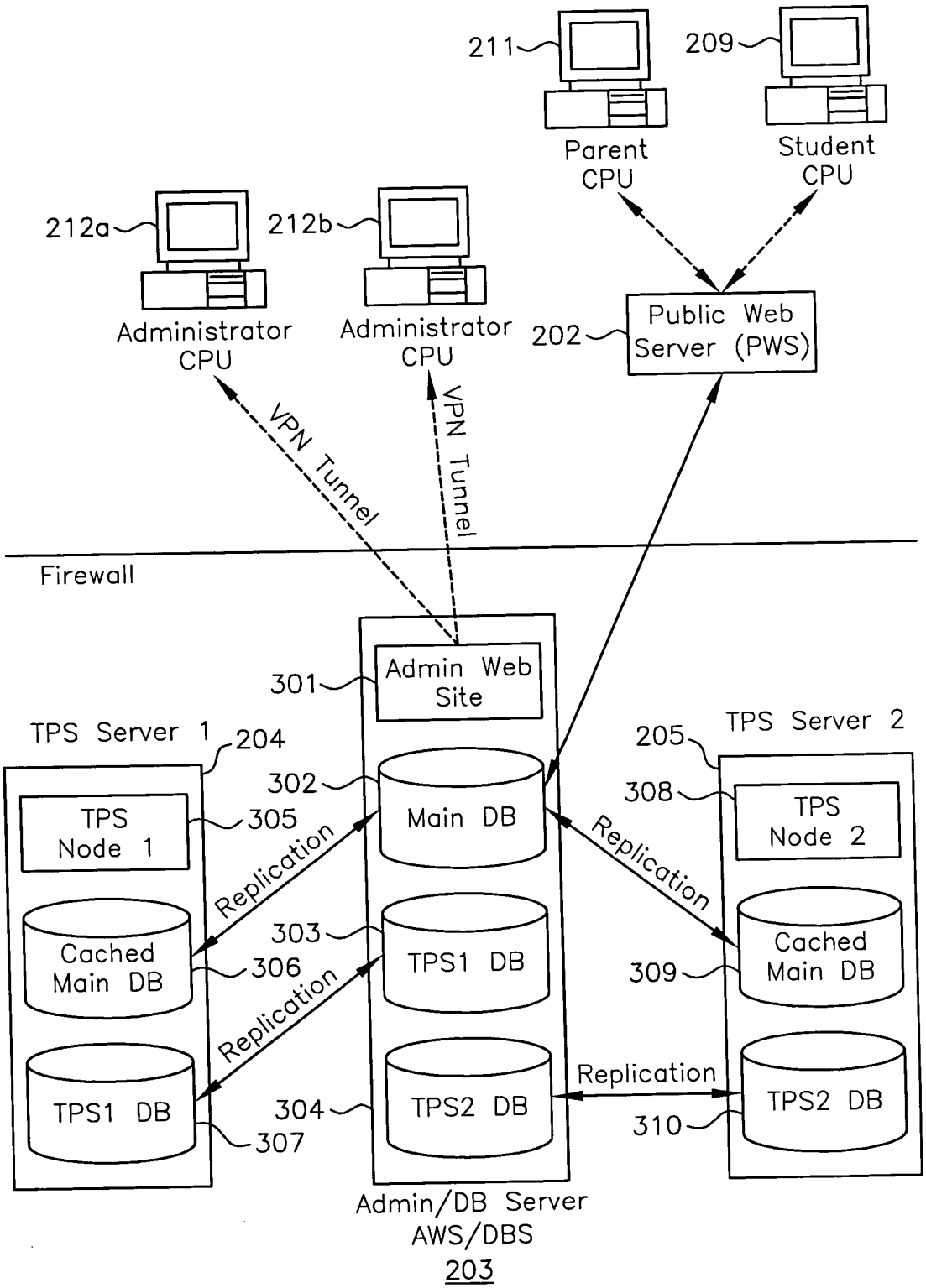

211
209
Parent CPU
Student CPU
212a
212b
Administrator CPU
Administrator CPU
202
Public Web Server (PWS)
VPN Tunnel
VPN Tunnel
Firewall
301
Admin Web Site
TPS Server 1
204
205
TPS Server 2
302
Main DB
308
TPS Node 2
TPS Node 1
305
Replication
Replication
303
TPS1 DB
Cached Main DB
306
Cached Main DB
309
Replication
Replication
TPS1 DB
304
TPS2 DB
Replication
TPS2 DB
307
310
Admin/DB Server
AWS/DBS
203

FIG. 3

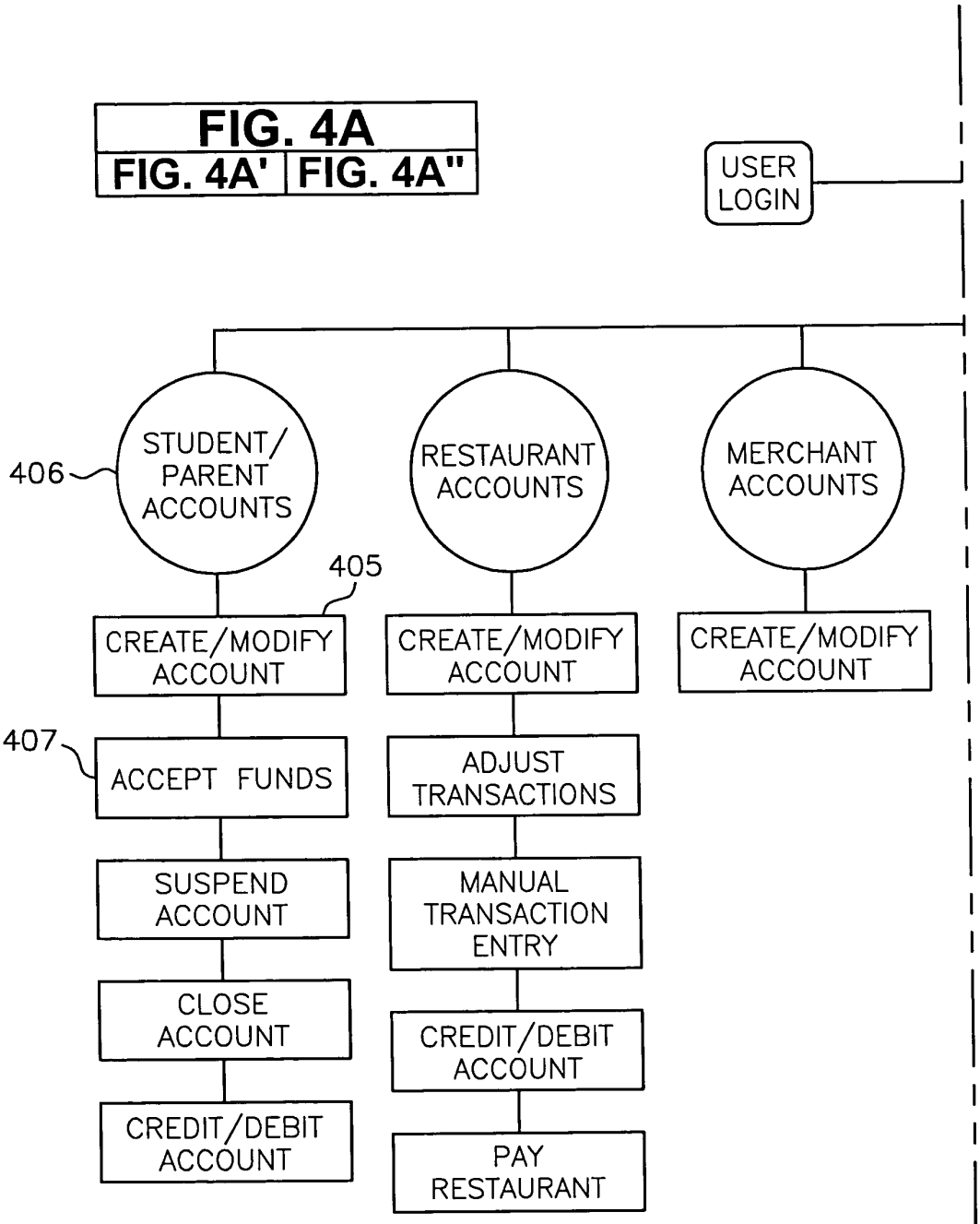


FIG. 4A
FIG. 4A'
FIG. 4A"
USER LOGIN
STUDENT/ PARENT ACCOUNTS
406
RESTAURANT ACCOUNTS
MERCHANT ACCOUNTS
405
CREATE/MODIFY ACCOUNT
CREATE/MODIFY ACCOUNT
CREATE/MODIFY ACCOUNT
407
ACCEPT FUNDS
ADJUST TRANSACTIONS
SUSPEND ACCOUNT
MANUAL TRANSACTION ENTRY
CLOSE ACCOUNT
CREDIT/DEBIT ACCOUNT
CREDIT/DEBIT ACCOUNT
PAY RESTAURANT

FIG. 4A'

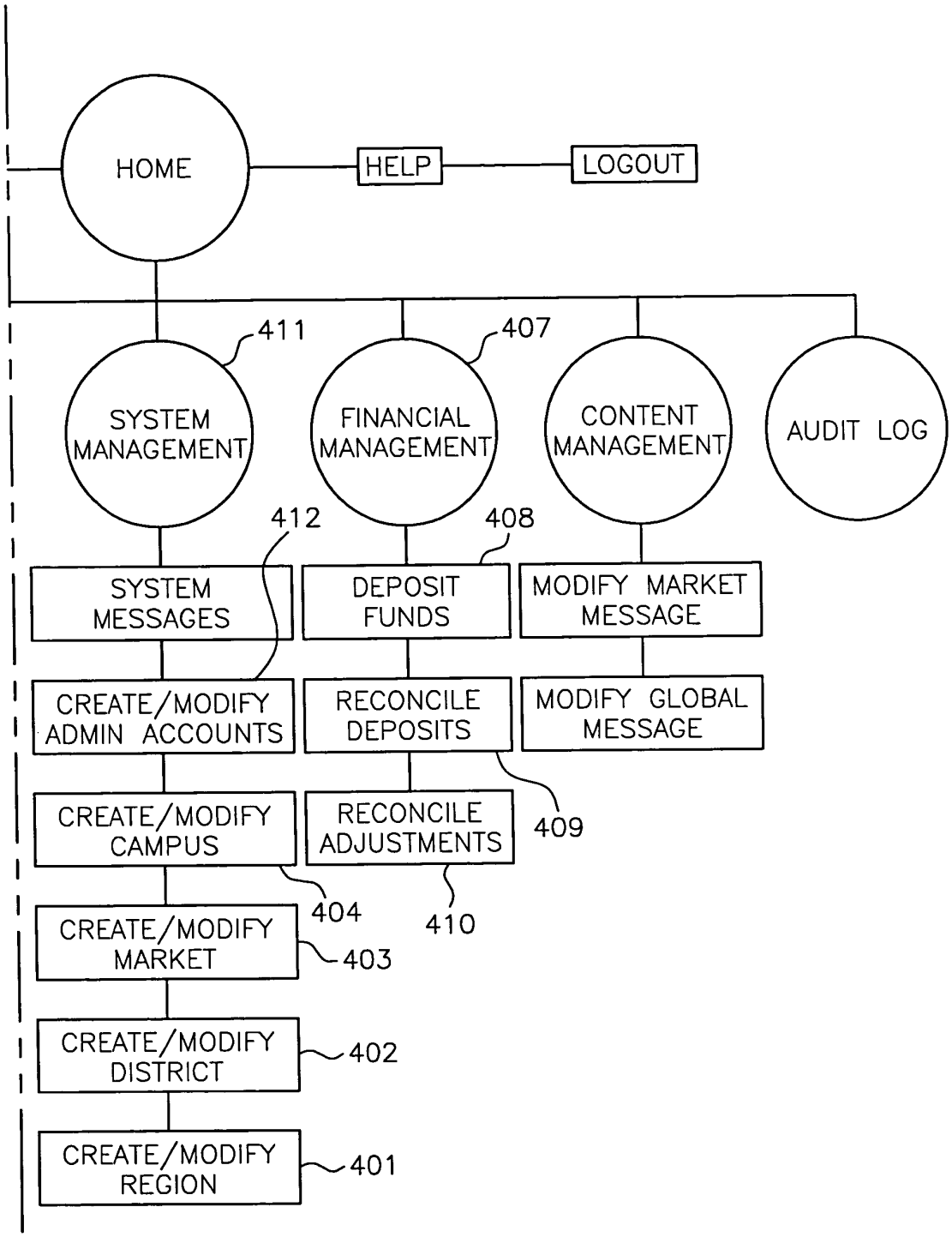

HOME
HELP
LOGOUT
411
407
SYSTEM MANAGEMENT
FINANCIAL MANAGEMENT
CONTENT MANAGEMENT
AUDIT LOG
412
408
SYSTEM MESSAGES
DEPOSIT FUNDS
MODIFY MARKET MESSAGE
CREATE/MODIFY ADMIN ACCOUNTS
RECONCILE DEPOSITS
MODIFY GLOBAL MESSAGE
CREATE/MODIFY CAMPUS
RECONCILE ADJUSTMENTS
409
404
410
CREATE/MODIFY MARKET
403
CREATE/MODIFY DISTRICT
402
CREATE/MODIFY REGION
401

FIG. 4A"

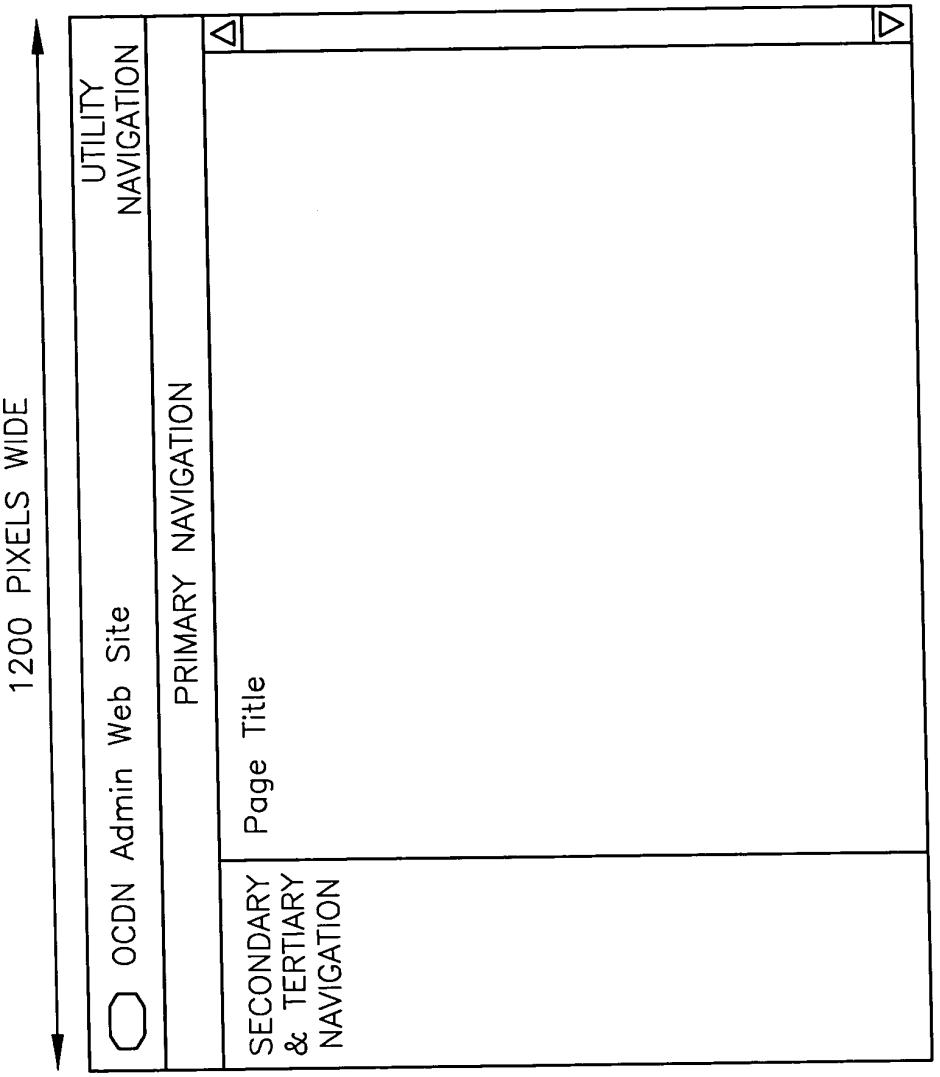

1200 PIXELS WIDE
OCDN Admin Web Site
UTILITY NAVIGATION
PRIMARY NAVIGATION
SECONDARY & TERTIARY NAVIGATION
Page Title

FIG. 4B

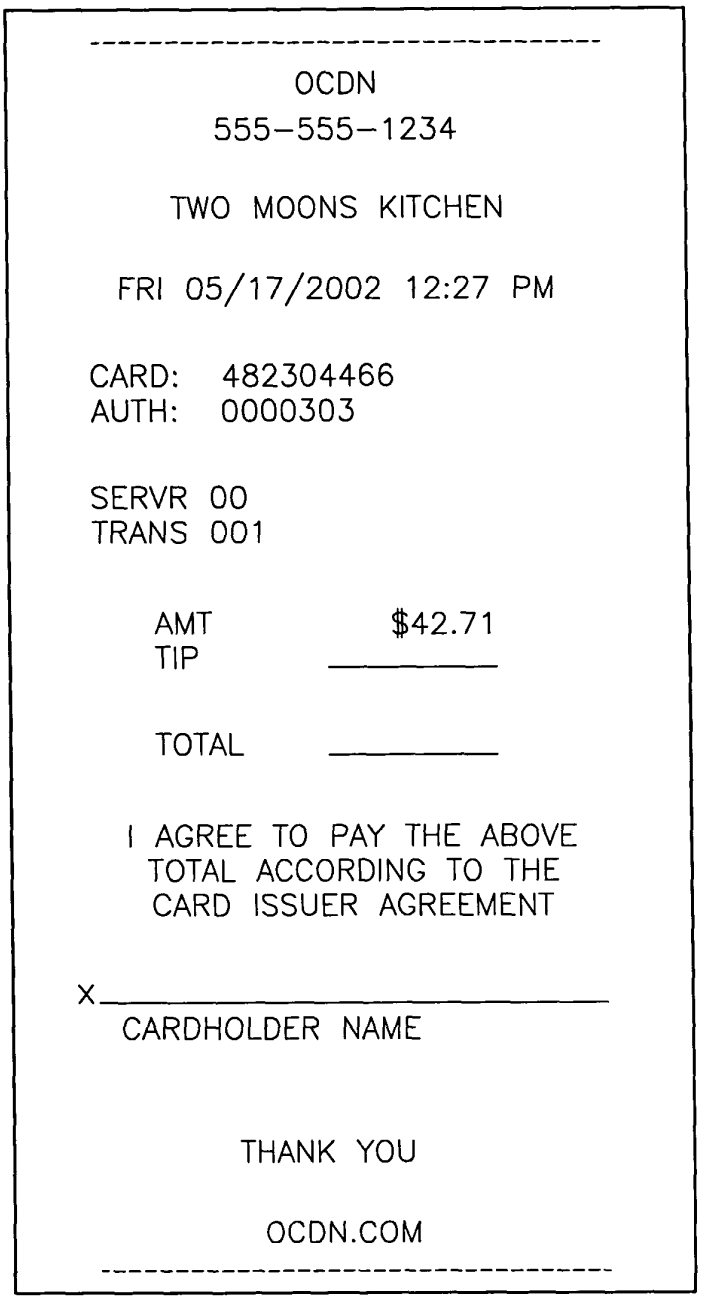

OCDN
555-555-1234
TWO MOONS KITCHEN
FRI 05/17/2002 12:27 PM
CARD: 482304466
AUTH: 0000303
SERVR 00
TRANS 001
AMT $42.71
TIP
TOTAL
I AGREE TO PAY THE ABOVE TOTAL ACCORDING TO THE CARD ISSUER AGREEMENT
X
CARDHOLDER NAME
THANK YOU
OCDN.COM

FIG. 5

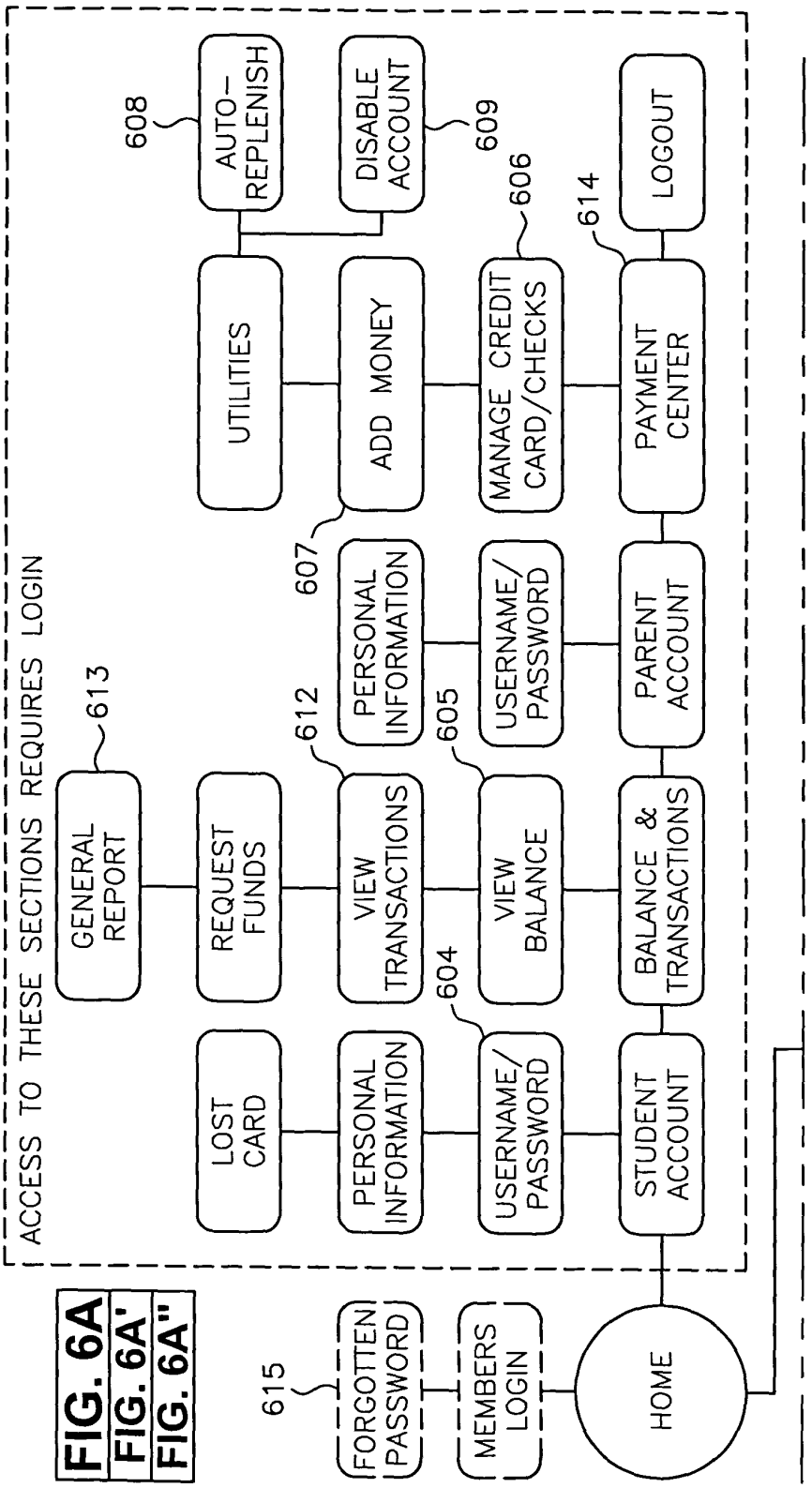


FIG. 6A
FIG. 6A'
FIG. 6A"

FIG. 6A'

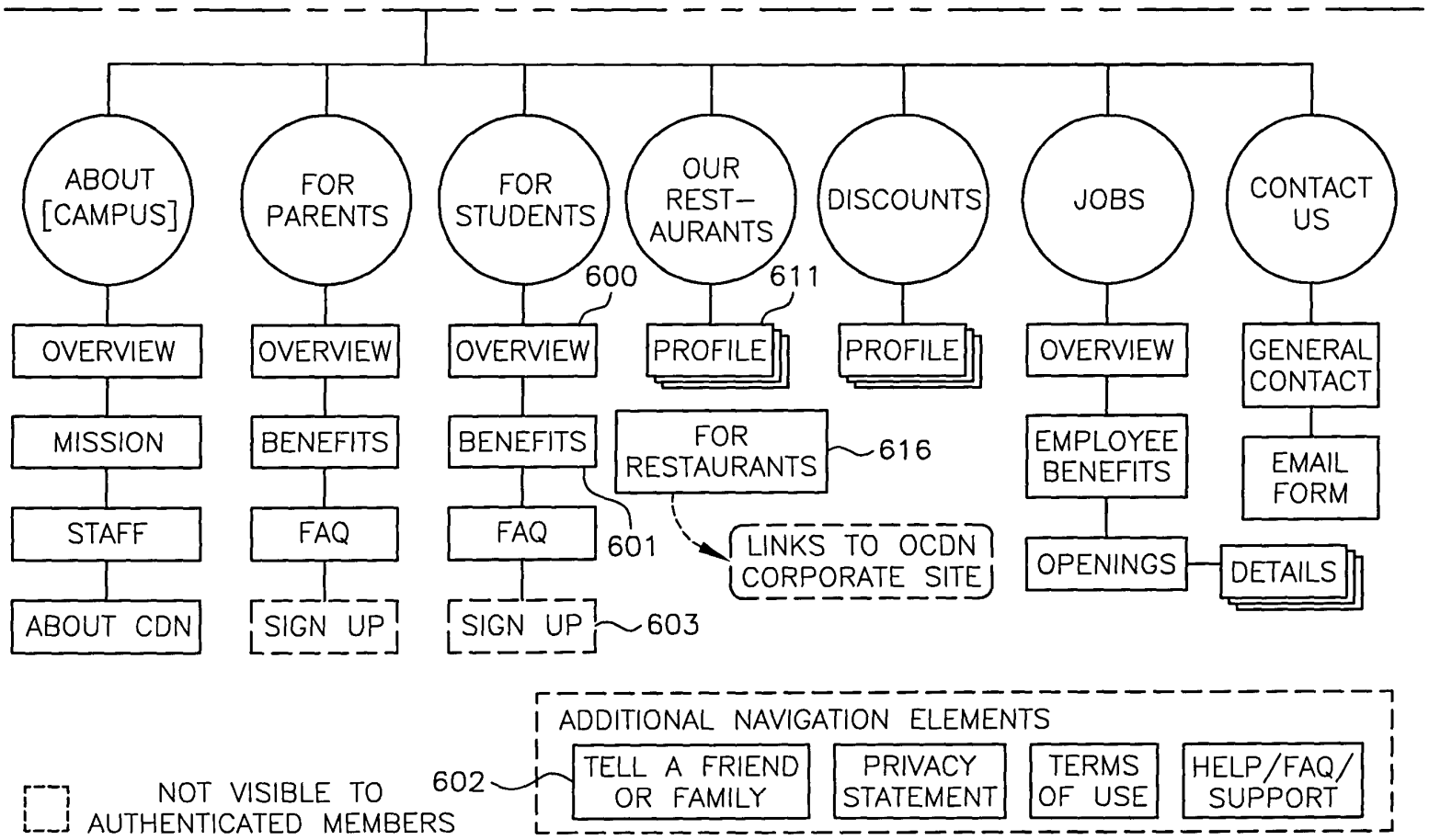

ABOUT [CAMPUS]
FOR PARENTS
FOR STUDENTS
OUR REST– AURANTS
DISCOUNTS
JOBS
CONTACT US
600
611
OVERVIEW
MISSION
STAFF
ABOUT CDN
OVERVIEW
BENEFITS
FAQ
SIGN UP
OVERVIEW
BENEFITS
FAQ
SIGN UP
601
603
PROFILE
FOR RESTAURANTS
616
LINKS TO OCDN CORPORATE SITE
PROFILE
OVERVIEW
EMPLOYEE BENEFITS
OPENINGS
DETAILS
GENERAL CONTACT
EMAIL FORM
ADDITIONAL NAVIGATION ELEMENTS
602
TELL A FRIEND OR FAMILY
PRIVACY STATEMENT
TERMS OF USE
HELP/FAQ/ SUPPORT
NOT VISIBLE TO AUTHENTICATED MEMBERS

FIG. 6A"

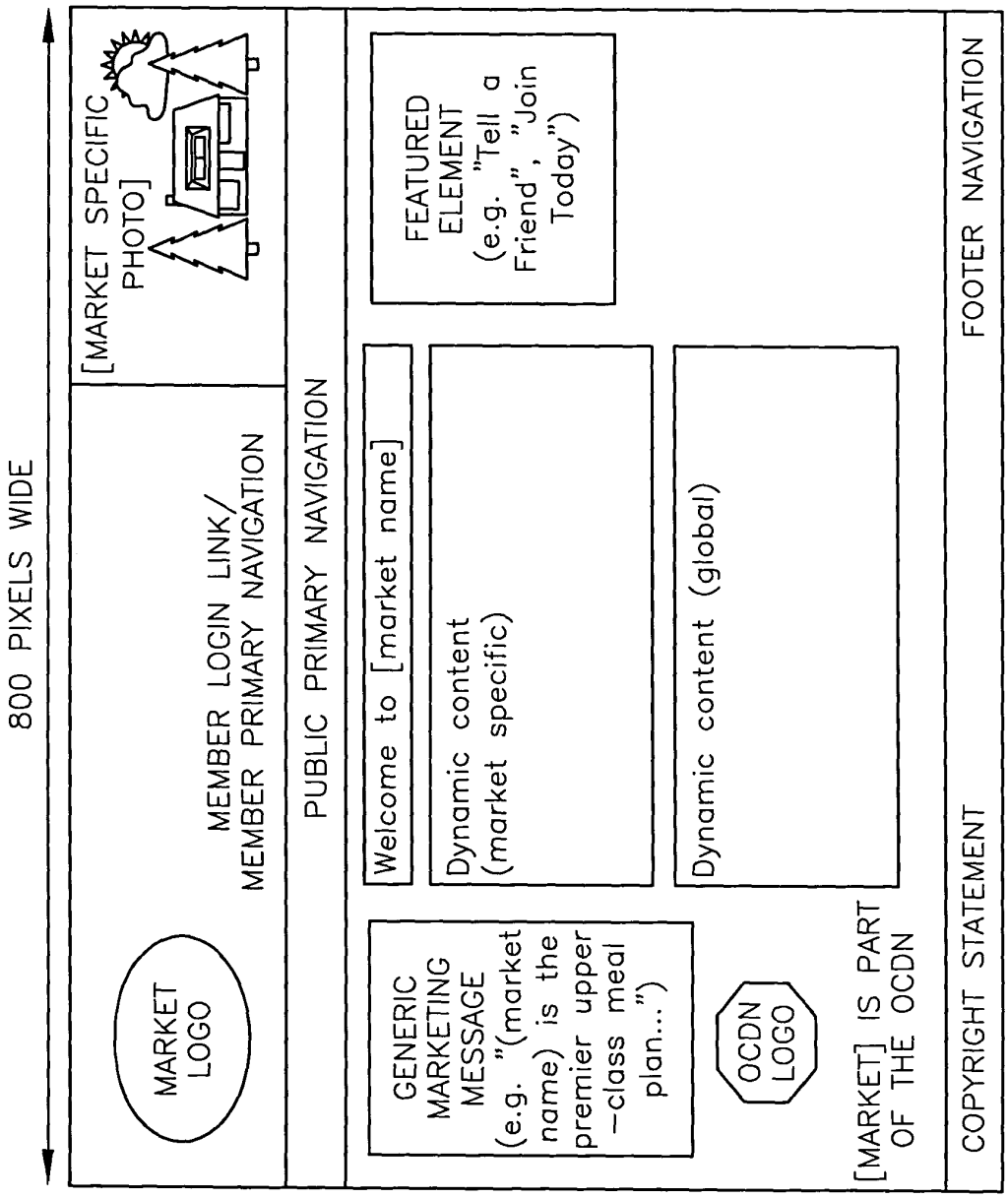

800 PIXELS WIDE
MARKET LOGO
MEMBER LOGIN LINK/
MEMBER PRIMARY NAVIGATION
[MARKET SPECIFIC PHOTO]
PUBLIC PRIMARY NAVIGATION
Welcome to [market name]
Dynamic content (market specific)
FEATURED ELEMENT (e.g. "Tell a Friend", "Join Today")
GENERIC MARKETING MESSAGE (e.g. "(market name) is the premier upper-class meal plan...")
Dynamic content (global)
OCDN LOGO
[MARKET] IS PART OF THE OCDN
COPYRIGHT STATEMENT
FOOTER NAVIGATION

FIG. 6B

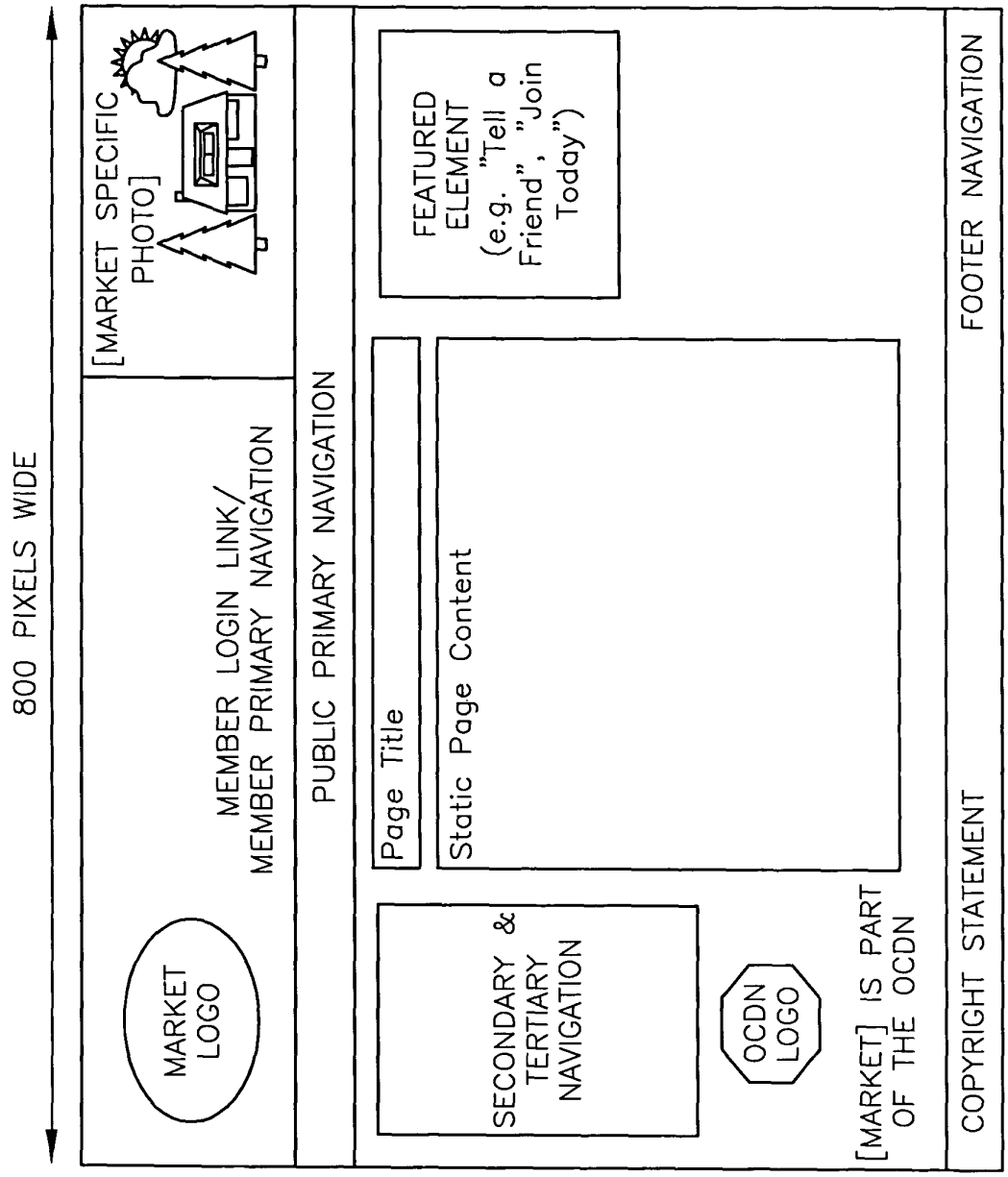

800 PIXELS WIDE
MARKET LOGO
MEMBER LOGIN LINK/
MEMBER PRIMARY NAVIGATION
[MARKET SPECIFIC PHOTO]
PUBLIC PRIMARY NAVIGATION
Page Title
Static Page Content
FEATURED ELEMENT (e.g. "Tell a Friend", "Join Today")
SECONDARY & TERTIARY NAVIGATION
OCDN LOGO
[MARKET] IS PART OF THE OCDN
COPYRIGHT STATEMENT
FOOTER NAVIGATION

FIG. 6C

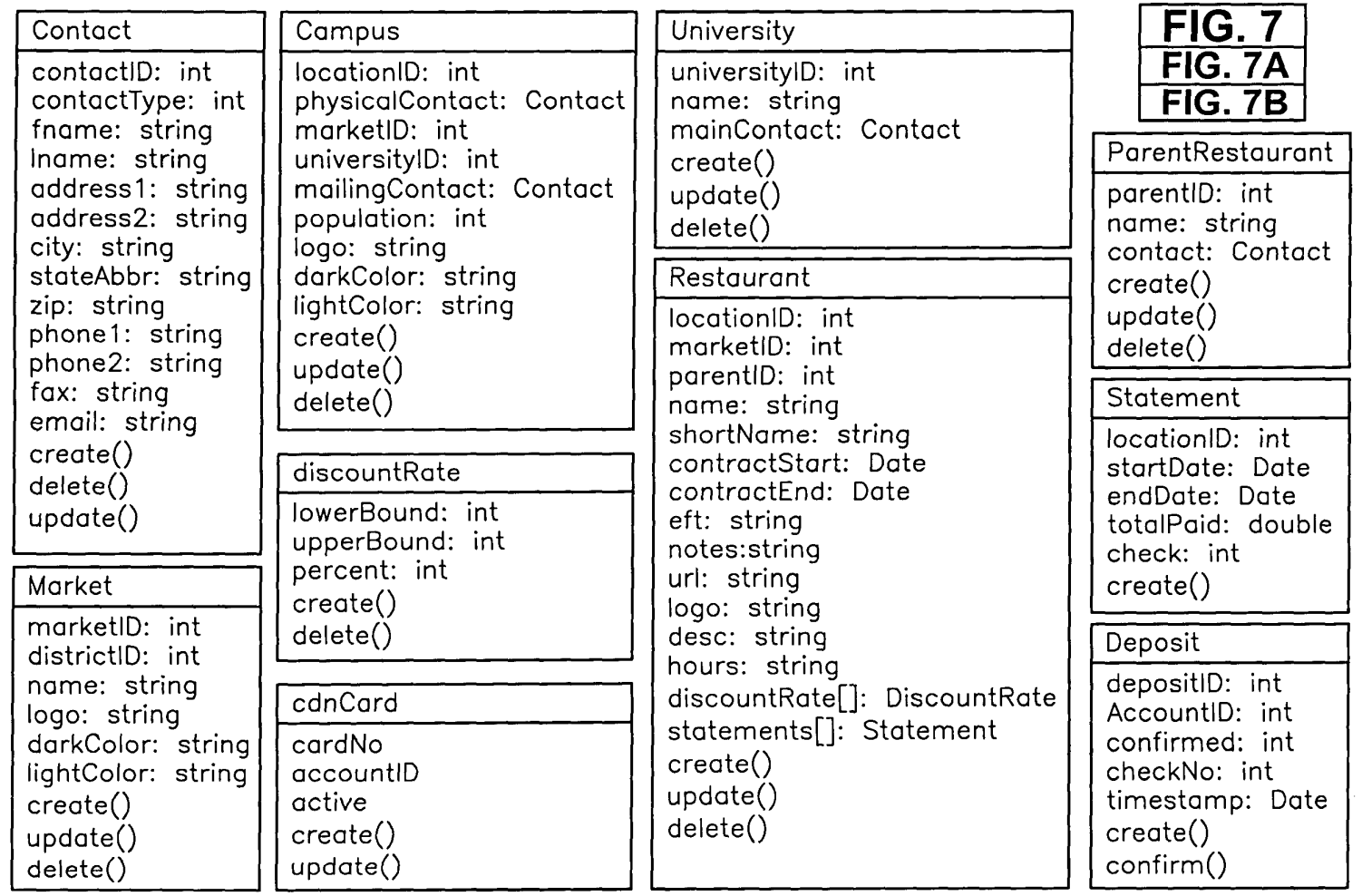


FIG. 7A

FIG. 7
FIG. 7A
FIG. 7B

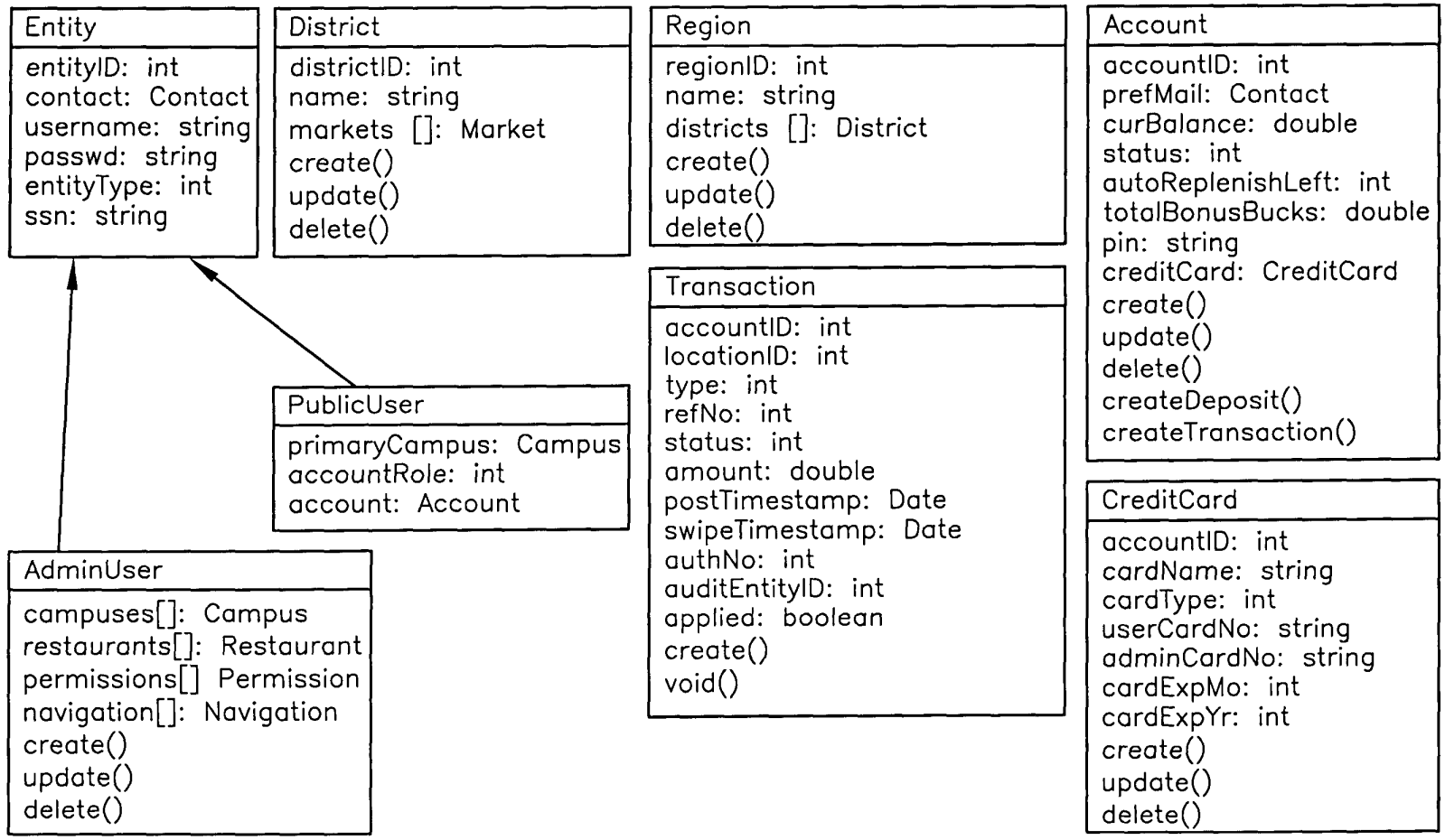

Entity
entityID: int
contact: Contact
username: string
passwd: string
entityType: int
ssn: string
District
districtID: int
name: string
markets []: Market
create()
update()
delete()
Region
regionID: int
name: string
districts []: District
create()
update()
delete()
Account
accountID: int
prefMail: Contact
curBalance: double
status: int
autoReplenishLeft: int
totalBonusBucks: double
pin: string
creditCard: CreditCard
create()
update()
delete()
createDeposit()
createTransaction()
Transaction
accountID: int
locationID: int
type: int
refNo: int
status: int
amount: double
postTimestamp: Date
swipeTimestamp: Date
authNo: int
auditEntityID: int
applied: boolean
create()
void()
PublicUser
primaryCampus: Campus
accountRole: int
account: Account
AdminUser
campuses[]: Campus
restaurants[]: Restaurant
permissions[] Permission
navigation[]: Navigation
create()
update()
delete()
CreditCard
accountID: int
cardName: string
cardType: int
userCardNo: string
adminCardNo: string
cardExpMo: int
cardExpYr: int
create()
update()
delete()

FIG. 7B